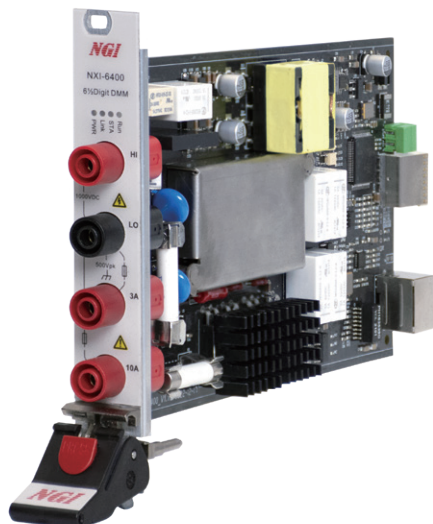


NXI-6400-1000/10 DC Voltage and Current Measurement Module



Product Introduction

NXI-6400-1000/10 is a high accuracy DC voltage and current measurement module, its measurement accuracy and range are comparable to mainstream 6½ digit multimeters on the market. NXI-6400-1000/10 supports nA level micro-current measurement, it is suitable for consumer electronics, automotive electronics, semiconductors, research&education and other industries.

Application Fields



3C Consumer Electronics



Automotive Electronics



Semiconductor Components



Research&education

Main Features

- ▶ Up to 6½ bit resolution
- ▶ DCV Range: $\pm 100\text{mV}/\pm 1\text{V}/\pm 10\text{V}/\pm 100\text{V}/\pm 1000\text{V}$
- ▶ DCI Range: $1\mu\text{A}/10\mu\text{A}/100\mu\text{A}/1\text{mA}/10\text{mA}/100\text{mA}/1\text{A}/3\text{A}/10\text{A}$
- ▶ Maximum Reading Rate: 2500 readings/second
- ▶ Single module with single slot, applicable to NXI-F1000 chassis or independent use
- ▶ Support 12V DC power supply input, LAN communication for individual control
- ▶ Support Modbus-RTU, SCPI protocols

Technical Data Sheet

Model	NXI-6400-1000/10									
DC Voltage										
Range	±100mV		±1V		±10V		±100V		±1000V	
1 year Accuracy ¹ T _{CAL} ± 2°C	0.0050+0.0035		0.0035+0.0004		0.0030+0.0004		0.0040+0.0006		0.0040+0.0006	
Temperature Coefficient/°C	0.0002+0.0005		0.0002+0.0001		0.0002+0.0001		0.0002+0.0001		0.0002+0.0001	
DC Current										
Range	1μA	10μA	100μA	1mA	10mA	100mA	1A	3A	10A	
1 year Accuracy T _{CAL} ± 5°C	0.050 + 0.005	0.050 + 0.002	0.050 + 0.001	0.050 + 0.005	0.050 + 0.020	0.050 + 0.005	0.080 + 0.010	0.200 + 0.020	0.120 + 0.010	
Temperature Coefficient/°C	0.0020 + 0.0010	0.0015 + 0.0006	0.0015 + 0.0004	0.0015 + 0.0005	0.0020 + 0.0020	0.0020 + 0.0005	0.0050 + 0.0010	0.0050 + 0.0020	0.0050 + 0.0010	
Others										
Test Terminal	Banana Jack, 4pin									
Operating Power	12VDC±10%, <0.5A									
Communication Interface	LAN									
Temperature	Working temperature: 0°C~40°C; Storage temperature: -20°C~60°C									
Operating Environment	Altitude: <2000m; Relative humidity: 5%~90%RH (no condensation); Operating air pressure: 80~110kPa									
Dimensions	130.5mm(H)*20mm(W)*230.5mm(D)(with puller)									

Note 1: Accuracy index: ± (% reading + % range)

Note 2: For more and latest information, please contact NGI.

Note 3: For other specifications, please contact NGI.